

Patent Abstracts of Japan

PUBLICATION NUMBER : 04036993
PUBLICATION DATE : 06-02-92

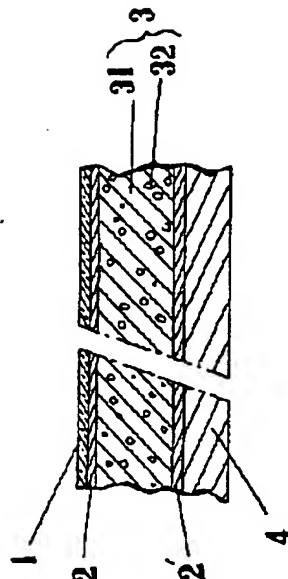
APPLICATION DATE : 31-05-90
APPLICATION NUMBER : 02142342

APPLICANT : NIPPON SEIKI CO LTD;

INVENTOR : IGARASHI TAKAHARU;

INT.CL. : H05B 33/20 H05B 33/22

TITLE : DISPERSION TYPE
ELECTROLUMINESCENCE ELEMENT



ABSTRACT : PURPOSE: To prevent separation of fluorescent substance particles and binder at the time of temp. variation likely to occur due to difference between their coefficients of thermal expansion by dispersing fluorescent substance particles in the binder consisting of gelled or plasticized dielectric substance, and thus forming a light emission layer.

CONSTITUTION: To make a dispersion type EL element, an ITO film 1 is coated with cyanoethylized polyvinylalcohol solution followed by drying process to form an adhesive layer 2, and 5-90% cyanoethylized saccharose as plasticizer of low molecular structure is added to cyanoethylized pululan followed by a process of turning into plasticized or gelled state, as desired, to yield a binder 31, in which fluorescent substance particles 32 are put dispersedly. The adhesive layer 2 is coated with this substance to form a light emission layer 3, over which another adhesive layer 2' similar to the one 2 is formed, and the resultant laminate is affixed with the 2' side to an Al electrode plate 4 using a hot pressure attaching means.

COPYRIGHT: (C)1992,JPO&Japio